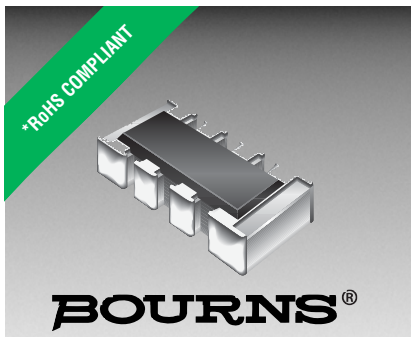




Features

- RoHS compliant*
- 2/4 isolated resistors in an 0404/0804 size package
- E24 series from 10 ohms to 1 megohm
- Convex termination style
- Resistance tolerance $\pm 5\%$
- Suitable for all types of soldering processes

- Paper tape on reel for automatic placement

Model CAY10 - Chip Resistor Array

Specifications

Requirement	Characteristics	Test Method
Short Time Overload	$\pm 2\%$	Rated Voltage X 2.5, 5 seconds
Soldering Heat	$\pm 1\%$	260 °C ± 5 °C, 10 seconds ± 1 second
Temperature Cycling (5)	$\pm 1\%$	125 °C (30 minutes) - normal (15 minutes) -30 °C (30 minutes) - normal (15 minutes)
Moisture Load Life	$\pm 3\%$	1000 hours
Load Life	$\pm 3\%$	1000 hours

Characteristics

Characteristics	CAY10-xxxJ2	CAY10-xxxJ4
Number of Elements (Isolated)	2	4
Power Rating @ 70 °C per Resistor	0.0625 W	0.0625 W
Package Power Rating @ 70 °C	0.125 W	0.250 W
Resistance Tolerance	$\pm 5\%$	
Resistance Range (E24) plus Zero-ohm Jumper	10 ohms - 1 megohm	
T.C.R.	± 250 ppm/°C	
Max. Overload Voltage	50 V	
Max. Working Voltage	25 V	
Operating Temp. Range	-55 °C to +125 °C	
Rating Temperature	+70 °C	
Packaging	10,000 pieces per reel	

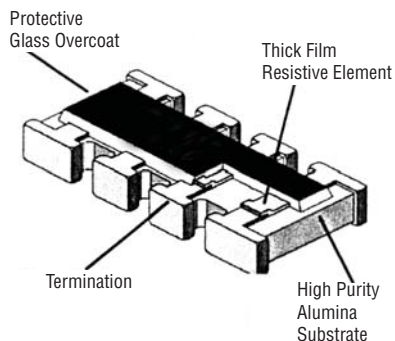
How To Order

CA Y 10 - 103 J 4 LF

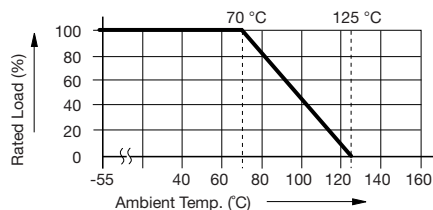
- Chip Arrays _____
- Type _____
- Y = Convex
- Model _____
- 10 = 04 Package Width
- Resistance Code _____
- <10 ohms: "R" represents decimal point (example: 4R7 = 4.7 ohms).
 - ≥ 10 ohms: First two digits are significant, third digit represents number of zeros to follow (example: 474 = 470k ohms)
 - 000 = Zero-ohm Jumper
- Resistance Tolerance _____
- J = $\pm 5\%$
- Resistors _____
- 2 = 2 Resistors
 - 4 = 4 Resistors
- Terminations _____
- LF = Tin-plated (RoHS compliant)

For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](#).

Characteristics



Derating Curve

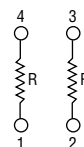


Typical Part Marking

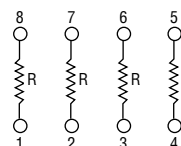
None on part. Label on reel will include part number.

Isolated Circuit

CAY10-xxxJ2



CAY10-xxxJ4



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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Temperature (°C)

Time (seconds)

Annotations:

- <1> Maximum of 20 seconds between +255 °C and +260 °C
- <1> 255 °C
- 220 °C
- 260 °C peak
- 150 °C
- 190 °C
- 60 - 120 seconds
- 60 - 90 seconds
- 10 seconds minimum
- Ramp Up 3 °C/second maximum
- Ramp Down 6 °C/second

Technical drawing of a mechanical part, showing a top view and a side view. The part is a rectangular block with a central rectangular cutout and four semi-circular cutouts along the top and bottom edges. The dimensions are given in inches and millimeters.

Top View Dimensions:

- Overall width: 2.0 ± 0.10 ($.079 \pm .004$)
- Overall height: 1.0 ± 0.10 ($.040 \pm .004$)
- Distance from left edge to first semi-circular cutout: 0.40 ± 0.15 ($.016 \pm .006$)
- Distance between semi-circular cutouts: 0.5 ± 0.05 ($.020 \pm .002$)
- Distance from last semi-circular cutout to right edge: 0.30 ± 0.15 ($.012 \pm .006$)
- Distance from left edge to central cutout: 0.15 ± 0.10 ($.006 \pm .004$)
- Distance from central cutout to right edge: 0.35 ± 0.10 ($.014 \pm .004$)

Side View Dimensions:

- Overall height: 0.25 ± 0.10 ($.010 \pm .004$)
- Distance from top edge to bottom edge: 0.35 ± 0.10 ($.014 \pm .004$)

Technical drawing of a rectangular component with dimensions in inches and mils. The drawing includes a top view and a side view.

Top View Dimensions:

- Top width: 0.33 ± 0.10 (inches), $(.013 \pm .004)$ (mils)
- Left side width: 0.15 ± 0.10 (inches), $(.006 \pm .004)$ (mils)
- Bottom width: 0.67 ± 0.10 (inches), $(.026 \pm .004)$ (mils)
- Bottom center width: 1.0 ± 0.10 (inches), $(.040 \pm .004)$ (mils)
- Right side width: 1.0 ± 0.10 (inches), $(.040 \pm .004)$ (mils)

Side View Dimensions:

- Top thickness: 0.25 ± 0.10 (inches), $(.010 \pm .004)$ (mils)
- Bottom thickness: 0.35 ± 0.10 (inches), $(.014 \pm .004)$ (mils)

Diagram showing a 2x4 grid of rectangles. Dimensions are given in inches and millimeters (mm).

- Horizontal spacing:
 - Between columns: 0.50 (mm)
 - Between columns: 0.50 (mm)
 - Between columns: 0.50 (mm)
 - Between columns: 0.50 (mm)
- Vertical spacing:
 - Between rows: 1.50 (mm)
- Rectangle dimensions:
 - Top row: 0.50 (mm) wide, 0.40 (mm) high
 - Bottom row: 0.50 (mm) wide, 0.30 (mm) high

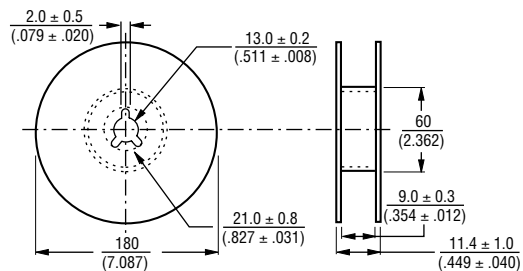
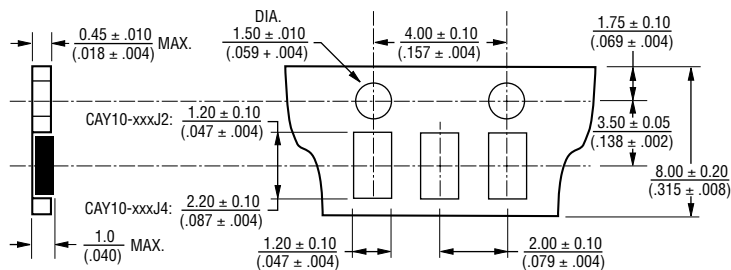
DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

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Model CAY10 - Chip Resistor Array

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Packaging Dimensions



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$